

KARASOV, P.I.

Experiments with an elektron-tube oscillograph. Fiz.v shkole
16 no.5:64-66 S-0 '56. (MLRA 9:11)

1. Pedagogicheskiy institut, Irkutsk.
(Oscillograph)

L 41391-65 EWA(h)/EWT(1)/T Pz-5/Peb IJP(c) AT

ACCESSION NR: AR5009700

UR/0058/65/000/002/E064/E064

SOURCE: Ref. zh. Fizika, Abs. 2E492

17
B

AUTHOR: Karasov, P. I.

TITLE: Oscillography of the dependence of a pn junction capacitance on the bias voltage

CITED SOURCE: Uch. zap. Irkutsk. gos. ped. in-t, vyp. 21, 1964, 169-172

TOPIC TAGS: oscillography, pn junction, junction capacitance, bias voltage

TRANSLATION: An oscillographic method is proposed for investigating the dependence of a pn junction capacitance on the inverse voltage. The dependence is obtained graphically from the form of a calibrated amplitude-modulated high-frequency signal picked off a parallel tank circuit fed from a standard signal generator. The amplitude modulation is the result of changes produced in the capacitance of the pn junction connected in series with the tank circuit by a pulsating

Cord 1/2

AUDIO FREQUENCY

KARASOV, V. V.

KARASOV, V.V.

Method for determining the inhabitancy of marmot burrows. Inv. Irk.
gos. protivochum. inst. 13:132-134 '54. (MIRA 10:12)
(MARMOTS) (ANIMALS, HABITATIONS OF)

KADASOV, Yu. V.

"Variation of Thermal Strength of Metals Under Plastic Distortion With Time in Specific"
Sub 15 Oct 51, Moscow State Pedagogical Inst from V. I. Lenin

Dissertations presented for science and engineering degree in Moscow during 1951.

SO: Com. No. 420, 1 Mar 55

KARASOVA, J.

GEOGRAPHY & GEOLOGY

PERIODICAL: CESKY LID. Vol. 42, no. 5, 1955

KARASOVA, J. Preserving cultural and natural monuments, p. 233.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2, Feb. 1959, Unclass.

KARASOVA, M.

CZECH

The influence of chrome salts on the precipitation of proteins by formaldehyde. Vladimír Fekner and Marie Karasová (Leather & Plastics Research Inst., Gottwaldov, Czech.). *Chemický zpravodaj* 1: 118-19, 131-4 (1951). The fixation of protein-based coatings on various leather by HCHO and the influence of CrCl₃ and CrO₃ at 10, 20, 30, and 40% basicities have been studied. The procedure was to treat the cut of skin after the fixation with HCHO and CrCl₃ or CrO₃ with added 30% protein solution. Two, 3, and 6% solutions of formalin and blood albumin have been studied. The optimum content of HCHO is 10%. The best results have been obtained by CrCl₃ of 30% basicity in amount corresponding 0.6% Cr₂O₃ per 1% of protein salts. The salt of CrCl₃ must not contain free water and neutral salts. The CrO₃ is much less effective. With HCHO alone, the max. resistance was obtained with 10% solution of casein with 17.5% HCHO on a dry casein basis. With CrCl₃ (30% basicity) the max. effect is obtained with 31% HCHO on a dry casein basis. Lowering the basicity reduces the fixation considerably; increasing the basicity (to 40%) is without influence. The influence of CrCl₃ on the fixation of egg albumin is less pronounced. The max. is with 21% HCHO and 40% basic CrCl₃. The fixation of blood albumin attains the max. with 44% HCHO and 40% basic CrCl₃.
L. Masner

KARASOVA, V.

KARASOVA, V. Determination of residual reducing substances in the wort of distilleries and yeast factories. p. 11, Vol 3, no. 1, Jan. 1957.

KVASNY PRUMYSL (Ministerstvo potravinarskeho)
Praha, Czechoslovakia

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

ROSCA, Tr., dr.; KARASSI, A., dr.

Clinical and etiopathogenic contributions to multiple gastroduodenal ulcers. Med. intern., Bucar 12 no.11:1651-1664 N '60.

1. Lucrare efectuata in Clinica medicala "I.C.Frimu", Bucuresti.
(PEPTIC ULCER)

WEISSFEILER, J.; KARASSOVA, Valentina; HOLLAND, J.

Genetic relationships between *Mycobacterium kansasii* and
Mycobacterium tuberculosis. Acta microbiol. acad. sci.
Hung. 11 no.1:1-6 '64.

1. Microbiological Research Group (Director: J. Weissfeiler),
Hungarian Academy of Sciences, Budapest.

WEISSFEILER, J.; KARASSOVA, Valentina

Study of a vaccine strain of Mycobacterium Tuberculosis. Acta
microb. hung. 7 no.1:77-86 '60.

1. State Institute of Hygiene, Budapest.
(MYCOBACTERIUM TUBERCULOSIS)
(VACCINES exper.)

L 30749-66.

ACC NR: AP6020278

SOURCE CODE: HU/0028/65/012/003/0275/0282

AUTHOR: Karassova, Valentina (Budapest); Weissfeiler, Gyula (Director; Budapest); Krasznay, Emil (Budapest); 16

ORG: Microbiological Research Group/directed by Gyula Weissfeiler/, MTA, Budapest (Mikrobiológiai kutatócsoport); [Krasznay] State Institute of Hygiene, Budapest (Állami közegészségügyi intézet)

TITLE: Occurrence of atypical mycobacteria in Macacus rhesus

SOURCE: Academia scientiarum hungaricae. Acta microbiologica, v. 12, no. 3, 1965, 275-282

TOPIC TAGS: monkey, bacteria, enzyme, mouse, pathogenesis, bacteriology

ABSTRACT: a) From 33 animals out of a total of 66 Macacus rhesus and 3 Ceropithecus monkeys, 50 strains of atypical mycobacteria have been isolated. Of these strains, 46 were dysgonic and multiplied only at 37°C. Four strains grew rapidly. b) Nine strains were identified as belonging to a new species on the basis of their photochromogenicity, dysgonic growth, enzyme activity and mouse virulence. The recommended name for these bacteria is Mycobacterium simiae. c) Of 16 non-chromogenic strains, 6 were examined. According to results of their enzyme reactions, 5 of these belonged to the avian group. With respect to the amidase spectrum, 4 scotochromogenic cultures corresponded to human scotochromogenic strains. Among the 4 rapidly growing cultures, 2 saprophytic and 2 highly mouse-virulent organisms were distinguished. d) The ability of the isolated mycobacteria to grow in mice makes it probable that they may also produce chronic infection in monkeys. Pathogenicity of the examined strains to monkeys was not demonstrated. The authors express gratitude to Mrs. A. Bihari and Miss E. Remenyi for their skilled technical assistance. Orig. art. has: 7 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: /06 / SUBM DATE: 08 Jun 65 / ORIG REF: 001 / OTH REF: 006

KOPPICH, F., dr.; GEORGESCU, I. St., dr.; KARASSI, A., dr.;
BLANC, Golda, dr.

Contribution to the classification of the clinical forms of
chronic post-virotic hepatitis. Med. intern. 15 no.10:1207-
1217 '63.

1. Lucrare efectuata in Clinica medicala "I.C. Frimu", Bucuresti
(director: prof. C. Gh. Dimitriu).
 (HEPATITIS) (HEPATITIS, INFECTIOUS)
 (CLASSIFICATION) (JAUNDICE, OBSTRUCTIVE)
 (SPLENOMEGALY) (CHOLANGITIS)

KARASSI A.

GLIGORE, V.; MEDREA, B.; POPA, M.; KARASSI, A.

Occupational placement of diabetics. Med. int., Bucur. 10 no.1:121-124
Jan 58.

(DIABETES MELLITUS

employment & rehabil. of diabetics)

(REHABILITATION

occup. of diabetics)

(INDUSTRY AND OCCUPATIONS

placement of diabetics)

LESNY, Ivan; KARASSIEWICZ, Lad; ODVARKOVA, Jitka; Ing. Styrsky (technicka spoluprace).

Curves of electrical conductibility in neurological diagnosis.
Cas. lek. cesk. 96 no.16:489-493 19 Apr 57.

1. Elektrobiologicke laboratore neurologicke kliniky, prednosta akademik K. Henner a Energeticky ustav. I. L., Praha 2, Katerinska 30.

(NERVOUS SYSTEM, dis.
peripheral motor lesions, diag. value of dermatophoric
curves (Cz))

WEISSFEILER, J.; KARASSOVA, Valentina; FOLDES, I.; VINCZE, E.; GYENES, G.

The study of attenuated tubercle bacillus strains on rabbits. Acta
microb. hung. 8 no.4:371-378 '61.

1. Institute of Experimental Medicine of the Hungarian Academy of
Sciences, National Institute for Tuberculosis "Koranyi", and First
Institute of Pathology, University Medical School, Budapest.

(TUBERCULOSIS exper)

WEISSFEILER, J.; KARASSOVA, Valentina; HOLLAND, J.

Atypical mycobacteria in monkeys. Acta microbiol. acad. sci.
Hung. 11 no.4:403-407 '64-'65

1. Microbiological Research Group (Director: J. Weissfeiler),
Hungarian Academy of Sciences, Budapest.

HUNGARY/Diseases of Farm Animals - Diseases Caused by Protozoa.

R-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45452

Author : Karasszon, Denes; Toth, Imre

Inst : -

Title : Coccidiosis in Turkey Poults.

Orig Pub : Magyar allatorv. lapja, 1957, 12, No 1-2, 45-46

Abstract : A sudden epizootic outbreak occurred in a flock of 750 turkey poults aged 3-6 weeks. The poults were refusing food, were huddling together, and presented a depressed appearance. The excrements were of brown and even black color and contained plenty of liquid mucus. After a few hours of sickness 4 poults died, on the second day 7 poults, on the third 40 poults, and thereafter approximately the same number was dying every day. In the mucus lining the intestines, a great number of oocysts was discovered - Eimeria meleagridis and E. meleagritidis. The addition of ultraseptyl in 3:1,000 concentration to

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HUNGARY/Diseases of Farm Animals - Diseases Caused by Protozoa.

R-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45452

the food, alongside with sanitary measures, has brought
about the cessation of the murrain of poult.

Card 2/2

HUNGARY / Diseases of Farm Animals. Diseases Caused by
Viruses and Rickettsiae.

R-2

Abs Jour : Ref Zhur - Biol., No. 17, 1958, No. 78946

Author : ~~Karacsony, Dencs~~

Inst : Not given

Title : On the Pathogenesis of Infectious Gastroenteritis in Pigs

Orig Pub : Magyar allatorr. lapja, 1957, 12; No 7-9, 215-218

Abs Jour : During the investigation of the corpses of 367 pigs which had been ill with infectious gastroenteritis, the author found live moving trichomonads in scrapings of the infected parts of the large intestinal mucosa in 151 animals. The morphological properties and methods of isolation of the trichomonads are described. The role of the latter in the etiology and pathogenesis of infectious gastroenteritis needs further study.

Card 1/1

KARASSZON, D.; RUZICKSKA, P.

Cultivation and histopathology of kidneys from monkeys suffering from dysentery. Acta microb. hung. 8 no.4:357-362 '61.

1. State Institute of Hygiene, Budapest.

(KIDNEY pathol)
(DYSENTERY BACILLARY exper)

KARASSZON, D.; BODON, L.

Demonstration of the swine-fever virus in tissue culture by immuno-fluorescence. Acta microbiol. Hung. 10 no.3:287-291 '63.

1. State Institute of Hygiene (Director: T. Bakacs), Budapest, and Central Microbiological Laboratory of the Veterinary Meat Control Service (Head: J. Takacs), Budapest. Acta microbiol. Hung. 10 no.3: 2870291 '63.

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HUNGARY

GECK, Peter, HORVATH, Sandor (Mrs), KARASSZON, Denes; National Public Health Institute (Országos Kózegegysegügyi Intézet).

"Results of Immune-Fluorescence Investigations Using Fluorescein-Iso-thiocyanate."

Budapest, Kiserletes Orvostudomány, Vol XV, No 5, Oct 63, pages 513-518.

Abstract: [Authors' Hungarian summary modified] The immune-fluorescence investigations of the authors are reported mainly from the point of methodology. The immune-globulin production, the preparation of the conjugate and of the tissue powder, adsorption, staining and the mode of evaluation of the preparations are discussed in detail. The practical application of the fluorescent microscope is described and the preparation of microphotograms is mentioned briefly. In order to promote its widespread use, the method is described in detail and can be reproduced by the reader. 6 Hungarian, 13 Western references.

1/1

GECK, Peter; HORVATH, Sandorne; KARASSZON, Denes

Experiences with immune fluorescence studies performed with fluorescein-isothiocyanate. Kiserl. orvostud. 15 no.5:513-518 0 '63.

1. Orszajos Kozegeszsegugyi Intezet.
(FLUORESCENCE) (FLUORESCENT ANTIBODY TECHNIC)
(POLIOVIRUS) (CLOSTRIDIUM PERFRINGENS)
(THIOCYANATES) (SERUM GLOBULIN)

KARASSZON, D.

Pathohistological studies on the central nervous system of monkeys inoculated with a "modified" strain of Aujeszky virus. Acta vet. acad. sci. Hung. 15 no.4:405-413 '65.

1. Department of the Control of Viral Vaccines, State Institute of Hygiene (Director: T. Bakacs), Budapest. Submitted January 15, 1965.

S/020/61/000/012/001/004
D221/D303

AUTHORS: Katsnel'son, B. Kh., and Karastelina, Z. S.
TITLE: On the dimensional interchangeability of electro-
vacuum devices

PERIODICAL: Standartizatsiya, no. 12, 1961, 28 -34

TEXT: The newly introduced ГОСТ (GOST) 7842-58 "Electro-
vacuum devices are very important. The disposition and assembly
dimensions of pins" sets forth an equal degree of freedom in all
directions for the pins in sockets. All valve manufacturing
countries and the International Electrotechnical Commission pre-
scribe pass-gauges for complex checking of conjugate dimensions of
the above. The exchangeability of vacuum devices depends on the
design and sizes of these gauges. The control holes as per GOST
7842-58 are of circular form. The authors indicate an analysis
of comparison of rectangular or square holes, and demonstrate the

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On the dimensional interchangeability .. S/028/61/000/012/001/004
D221/D303

advantages of the round shape. The complex gauge must also ensure the straightness and parallelism of pins. It indicates the force of pushing the gauge onto the pins, and thus prevents dangerous internal stresses in the glass base. In addition, the balloon of the valve is checked by three guide pads placed at the center of its height, to ensure parallelism with the pins and axis of the base. The quality of connection between the valve and the panel is characterized by the force of pushing in or taking out, as well as by the contact resistance. The soldering of leads prevents flotation of pin contacts and therefore, the effort of mounting a valve is increased. Measurements have confirmed the increase in force required for pressing in the valve after soldering. The authors propose the following to ensure a reliable connection and interchangeability: Checking conjugated sizes by complex gauges. The deviation in the angle between different pins should be within $\pm 15^\circ$. The force of stripping must be measured by a gauge, whose pins have a diameter of minimum valve pins. The individual contacts

Card 2/3

On the dimensional interchangeability ... S/028/61/000/012/001/004
D221/D303

should be verified. In critical assemblies, the panel wiring must include dummy valves in order to hold the mean position of pin contact and ensure a certain amount of flotation. The need has arisen to elaborate a State standard for panels. There are 10 figures and 2 tables.

Card 3/3

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KARASTENEV, F.D., agronom.

Make wider use of progressive methods for increasing the oil content of sunflower seeds. Masl.-zhir.prom.21 no.1:6-8 '56. (MLRA 9:6)

1. Trest Krasnodarzhirmaslo.
(Sunflowers)

KARASTOIANOV, G.

Master-builder Koliu Ficheto; a biographic sketch. Nauka i tekhn mladezh
no.1:8-9 Ja '57.

KARASTOLANOVA, E.; VODENICAROVA, TS.

From the Czechoslovak glass plants. p. 27
Leka Promishlenost Vol. 7, No. 4, 1958. Sofia Bulgaria.

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,
Oct. 58

KARASTOIANOVA, Elena, inzh., nauch. sutrudnik

Printing with pigment dyes. (To be contd.) Tekstilna prom 11 no.4:16-18 '62.

1. Nauchnoizsledovatel'ski institut za trikotazhna promishlenost, Sofia.

KARASTOIANOVA, Elena, inzh., nau. sutrudnik

Printing with pigments. II. Tekstilna prom 11 no.5:26-28 '62.

1. Nauchnoizsledovatel'ski institut za trikotazhna promishlenost.

KARASTUYANOVA, R.S., Master Agric Sci — (miss) "Various methods of cultivation for
the purpose of changing the agronomic properties of turri-podzol soils." Moscow, 1957
18 pp, (Moscow Agric Academy im. ^{S.P.} Tsimryazeva), 110 copies (KL, No 39, 1957, 76)

USSR/Soil Science. Mineral Fertilizers

J

Abs Jour : Ref Zhur-Biol., No 13, 1958, 58322, By S.A.Nikitin

Author : Balayer P. M., ~~Karastoyanova R. S.~~, *Aspirant*,

Inst : Timiryazev Agricultural Academy

Title : Fertility of the Genetic Horizons of Peat-Podzol Soils and their Effect on the Assimilability of Phosphorus Fertilizers

Orig Pub : Izv. Timiryazevsk. c-kh., 1957, No 2, 77-87

Abstract : As a result of experiments with oats planted in vegetation vessels filled with substrata obtained from peat-podzol agrillaceous soil of the Experimental Station of Field Cultivation it became clear that the plowed soil horizon from which the plants absorb a considerable amount of fertilizer is microbiologically the most fertile and active. Least fertile is the illuvial

Card 1/3

USSR/Soil Science: Mineral Fertilizers

J

Abs Jour : Ref Zhur-Biol., No 13, 1958, 58322, By S. A. :
Nikitin

Abstract : horizon B₁; here the sprouts of oats perished in the period of branching. The application of mineral fertilizers improved the development of the plant in all variants of the experiment. Oats planted on a podzol horizon grew to a height comparable to that of plants grown on a plowed horizon. Oats developed poorly when horizon B₁ was transferred to the podzol horizon with the plowed horizon remaining on the top, and grew even more poorly when the illuvial horizon was transferred to the top with the plowed horizon taking place of the illuvial horizon. When manure and lime were applied, the mass of oats grown on the illuvial horizon was 1.5 smaller than that grown in the other variants of the experiment. The mass of oat roots in the illuvial horizon was half of the mass of roots in

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USSR/Soil Science. Mineral Fertilizers

J

Abs Jour : Ref Zhur-Biol., No 13, 1958, 58322, By S. A. Nikitin

Abstract : the plowed horizon, and 1.5 times smaller than the mass of roots in the podzol horizon. The premise that peat-podzol soils can be radically improved by terraced plowing with the turning over of the soil so that the illuvial horizon will be on the surface, and the suggestion that horizon B₁ be placed in place of podzol horizon are not substantiated by the experiments. A rational method of increasing the fertility of peat-podzol soils is the gradual enrichment of the podzol horizon with fertilizers with a partial admixture of plowed horizon, and the planting of perennial bean and grain crops.

Card 3/3

KARASTOYANOVA, R.S.
BALEV, P.M.; KARASTOYANOVA, R.S.

Role of plants and fertilizers in raising soil fertility [with
summary in English]. Pochvovedenie no.11:80-88 N '57. (MIRA 10:12)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im.
K.A.Timiryazeva.

(Soil fertility)

~~P.M.~~ KARASTOYANOVA, R.S.

BALEV, P.M., kand. sel'skokhozyaystvennykh nauk; KARASTOYANOVA, R.S.

Effect of separate factors in the improvement of Turf-Podzolic
soils. Zemledelie 6 no.1:7-15 Ja '58. (MIRA 11:1)
(Soil fertility)

KARAS'YEV, V. V., B. V. DERYAGIN and KROTova, N. A.

"Electric Phenomena Accompanying the Formation of New Interfaces and Their role in Adhesion and Cohesion" a paper submitted at 2nd International Congress on Surface Activity, 8-12 Apr 57 London.

Academy of Science, Institute of Physical Chemistry, Bolshaya Kalouzhskaya 31, Moscow, USSR.

E-5972

KARAS'YEV, V. V., DERYAGIN, B. V., ZORIN, Z. M.

"Properties of the Polymolecular Boundary Layers of Liquids According to Absorption and Viscosimetric Measurements," paper to be presented to the 2nd International Congress of Surface Activity, International Union of Pure and Applied Chemistry, London 12 April 1957

Inst of Physical Chemistry, AS USSR

KARASYUK, I. M., Cand Agr Sci -- (diss) "Improvement of fall-plowing treatment of soil planted with sugar beets under the conditions of the south forest-steppe of the Ukraine." Kiev, 1960. 26 pp with illustrations; 1 page of diagrams; (Ministry of Agriculture Ukrainian SSR, Ukrainian Academy of Agricultural Sciences); 100 copies; price not given; (KL, 18-60, 154)

RUBIN, S.S.; DAILEVSKIY, A.F.; IL'CHENKO, V.A.; KARASYUK, I.M.

Methods of studying the root systems of agricultural plants.
Bot. zhur. 47 no.8:1176-1184 Ag '62. (MIRA 15:10)

1. Umanskiy sel'skokhozyaystvennyy institut imeni A.M. Gor'kogo.

RUBIN, S.S., zasluzhennyy deyatel' nauki UkrSSR; KARASYUK, I.M.; KUCHERENKO,
A.P., aspirant

Short-time fallowing. Zemledelie 26 no.7:29-31 J1 '64. (MIRA 18:7)

1. Umanskiy sel'skokhozyaystvennyy institut.

KARASYUK, Ye.I., glavnyy vrach

Making a bacteriological analysis of water by a single-stage method of imprinting membrane ultrafilters on Kichenko's rosolic acid. medium. Gig. i san. 23 no.9:84 S'58 (MIRA 11:11)

1. Iz Dengizskoy rayonnoy sanitarno-epidemiologicheskoy stantsii Gur'yevskoy oblasti.
(WATER—BACTERIOLOGY)

KARASYUK, Ye.I.

Express method of identification of *Escherichia coli* isolated
from water. Gig. i mn. 25 no.1:62-65 Ja '60. (MIRA 13:5)

1. Iz sanitarno-epidemiologicheskogo otdela Dengizskoy rayonnoy
ob'yedinennoy bol'nitsy Gur'yevskoy oblasti.

(WATER microbiol.)

(*ESCHERICHIA COLI*)

BARSCH, Ferenc; KARASZ, Istvan (Budapest); MOLNAR, Balazs (Budapest); BOSKO, Janos (Debrecen)

Forum of the innovators. Ujit lap 15 no.5:30 10 Mr '63.

1. Ujitasi eloadó (for Barsch).

S/035/62/000/009/049/060
A001/A101

AUTHOR: Karaszevska, Urszula

TITLE: An experience of generalizing representation of relief on large-scale maps with allowance for geomorphology

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 22, abstract 9G143 ("Przegl. geod.", 1961, v. 33, no 11, 439 - 440, Polish)

TEXT: The laboratory of cartography at the Institute of Geodesy and Cartography in Warsaw carries out investigations on the foundations of generalization in charting maps on scales 1:25,000 - 1:100,000. At present, relief generalization is studied on photocopies from a 1:25,000 topographic map, degraded to 1:40,000. In particular, the problems were investigated on relief generalization on a partial map of the Kampinovskaya Pushcha, where two terraces are pronounced distinctly: the lower, river terrace, and the upper one, covered with dunes of various shapes. This experience warranted some conclusions to be drawn: 1) Auxiliary horizontals are not drawn a) where main horizontals are strongly dense, sufficiently characterizing steep slopes, and b) if they outline the tops of dunes not placed in representation of narrow branches of the latter. 2) Auxiliary horizontals are drawn

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An experience of generalizing representation of...

S/035/62/000/009/049/060
A001/A101

where they run dissimilar to main ones. 3) Main horizontals outlining the tops of dunes are not drawn if their diameter is less than 0.5 mm (on 1:25,000 maps). 4) Main horizontals outlining adjacent tops, located on the crest of the dune, are connected if they are separated by less than 1.5 mm. In generalization of representation of any relief forms, one should preserve characteristic features of a landscape, dropping fine details not expressible on a given scale.

N. Modrinskiy

[Abstracter's note: Complete translation]

Card 2/2

HILDT, Stefan; KARASZEWSKA, Urszula

Maps of the state of Israel. Przegl geod 34 no.10:441-444 0 '62.

1. Instytut Geodezji i Kartografii, Warszawa.

KARASZENSKI, WLADYSLAW

PA 30T23

POLAND/Geology

Iron Ore Deposits

Aug 1947

"Report on Rhastio-Liassic Deposits in the Region West of Skarzysko (Central Poland) in 1946," Wladyslaw Karaszewski, 10 pp

"Biuletyn, Panstwowy Instytut Geologiczny" No 31

Preliminary report on field work carried out in the Swiety Krzyz Mountains in the basin of the upper course of the Kamisenna River. The chief aim of the work was to investigate the occurrence of iron ore complexes. The author based his work mainly on observations of old mining works, and discovered a number of old and abandoned iron ore mines unrecorded in recent literature.

SI

30T23

KARASZEWski, W.

"Occurrence of displaced Oligocene rocks in Pleistocene formations, in the region of Warsaw." p. 26. (PREZWGLAD GEOLOGICZNY. No. 1, Jan. 1955. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4. April 1955. Uncl.

KARASZEWSKI, W.

The deepest fully core-drilled well in Poland. p. 117.

PREZEBIAD GEOLOGICZNY. Wydawnictwa Geologiczne. Warszawa, Poland, Vol. 7, No. 3, March, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959.
Uncl.

MADAS, Andras, dr.; STELCZER, Karoly; OROSZLANY, Istvan, dr., tanszékvezető
docens; MATRAI, Istvan, főmérnök; MANTUANO, József; KARASZI, Kalman;
ZIEGLER, Karoly; BARNA, Aladar

Remarks about the lecture by Dr. Ede Kertai entitled "Water resources
development in Hungary." Hidrológiai közlöny 43 no.2:95-98 Ap '63.

1. Országos Tervehivatal Mezőgazdasági Főosztályának vezetője (for Madas).
2. Vízgazdálkodási Tudományos Kutató Intézet igazgatója (for Stelczer).
3. Godolloi Agrártudományi Egyetem; "Hidrológiai Közöny" szerkesztő bizottsági tagja (for Oroszlany).
4. Vízügyi Tervező Vállalat (for Matrai).
5. Melyépítési Tervező Vállalat osztályvezetője (for Mantuano).
6. Közép-dunántúli Vízügyi Igazgatóság igazgatója (for Karaszi).
7. "Hidrológiai Közöny" szerkesztő bizottsági tagja (for Ziegler).

WEISZFEILER, Gyula; KARASZOVA, Valentina; FOLDES, Istvan; VINCE, Egon;
GYENES, Geza

Study of attenuated tuberculosis bacillus stocks in rabbits.
Biol orv kozl MTA 13 no.1-2:31-39 1962.

1. Magyar Tudományos Akademia Kiserleti Orvostudományi Kutató
Intézete; Országos "Koranyi" Tbc Intézet; Budapest Orvostu-
dományi Egyetem 1. sz. Kóronctani Intézete. 2. Magyar
Tudományos Akademia levelező tagja (for Weiszfeiler).

WEISSFEILER, Gyula; FOLDES, Istvan; KARASZOVA, Valentina

Effect of attenuated tuberculous bacteria (BCG) on newborn rabbits.
Tuberkulozis 17 no.2:33-35 F '64.

1. A Magyar Tudományos Akademia Mikrobiológiai Kutató Csoportja
(igazgató: Weissfeiler Gyula prof., az MTA lev. tagja) és az
Országos Korányi Tbc Intézet (igazgató: Boszormenyi Miklós dr.,
tudományos igazgató: Foldes István dr.) közleménye.

HUNGARY

KARASZOVA, Valentina, WEISZFEILER, Gyula, corresponding member, KRASZNAI, Emil; Hungarian Academy of Sciences, Research Group of Microbiology (Magyar Tudomanyos Akademia, Mikrobiologiai Kutato Csoport)

"The Incidence and Properties of Atypical Mycobacteria in Macacus Rhesus Monkeys"

Budapest, A Magyar Tudomanyos Akademia V. Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol XVI, No 2-3, 1965, pages 275-283

Abstract: [Authors' Hungarian summary] 1) In 33 cases, 50 atypical Mycobacterium strains were isolated from 46 per cent of a total of 66 M. rhesus and 3 Cercopithecus monkeys. Of the 33 strains studied, 29 showed dysgonic growth and grew only at 37 C; 4 showed rapid growth. 2) On the basis of their photochromogenic properties, dysgonic growth, enzyme reaction and virulence in mice, 9 strains were classified as previously unknown and the name M. simiae is proposed for them. 3) Of 16 non-chromogenic strains, 6 were studied. On the basis of their enzyme reaction, 5 strains belong to the avium group. The amidase spectrum of 4 scotochromogenic strains corresponds to that of scotochromogenic strains isolated from man. 4) Of the 4 rapidly growing strains, 2 were saprophytic and 2 were highly virulent in mice. 5) The lasting growth of these strains, demonstrated in mice, makes it probable that they can also produce prolonged infection in monkeys. The determination of their pathogenic role was unsuccessful. 1 Hungarian, 5 1/1 Western references. [Manuscript received 27 May 65.]

KARASZY, GY.

Experiences with production and organization in the Small Motor and Machine
Factory. p. 26. TOBBTERMELES. Budapest. Vol. 10, No. 2, Feb. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 6, June 1956

VISHNYAKOVA, R.N.; LYSUNKINA, D.S.; SYRKIN, Ya.M.; Prinimali uchastiye:
KARATANOVA, G.N.; KHOLODNYI, A.G.

Plugging cement for extra-deep oil and gas wells. Trudy Iuzhgi-
protsenenta no.4:108-126 '63. (MIRA 12:11)

KARATAJUTE-TALIMAA, V., red.; NARBUTAS, V., red.; BLINSTRUBAS, S.,
doktor tekhn. nauk, red.; GARUNKSTIS, A., kand. geogr. nauk,
red.; GRIGELIS, A., kand. geol.-min. nauk, red.;
DALINKEVICIUS, J., doktor geol.-min. nauk, red.; KONDRATAS, A.,
kand. geol.-min. nauk, red.

[Problems of the Devonian stratigraphy and paleogeography of
the Baltic region] Voprosy stratigrafii i paleogeografii de-
vona Pribaltiki; doklady. Vilnius, Mintis, 1964. 145 p.
(MIRA 18:6)

1. Soveshchaniye po stratigrafii i paleogeografii devona
Pribaltiki. Vilnius, 1962. 2. Chlen-korrespondent AN Litov-
skoy SSR (for Dalinkevicius). 3. Institut geologii Gosudar-
stvennogo geologicheskogo komiteta SSSR, Vilnius (for
Karatajute-Talimaa, Narbutas).

KARATAVOY, N. G.

"The Specific Pressure Distribution on the Leading Edge of the Cutter
in Coal Extraction."

report presented at the Conference in the Mining Inst. AS USSR on Problems
of Rock Disintegration, 20-22 May 1958.
(Vest. AN SSSR, N . 8, 1958, pp. 130-132)

CHAY, S.S., veter ch

Classification of infectious diseases of animals.
Veterinaria 30 no. 1:1-33. 1981. (NID 11:11)

1. Pove-Buzitskiy, veterinarniy, Nikolayevskiy Oblast.
(Soviet-Diseases)

KARATAYEV, A.F., dots., kand. tekhn.nauk.

Results of investigating variants of Kuznetsk Basin coal mine
ventilation. Nauch. dokl. vys. shkoly; gor. delo no.3:116-127
'58. (MIRA 11:9)

1. Predstavlena kafedroy tekhniki bezopasnosti i rudichnoy ventilyatsii
Tomskogo politekhnicheskogo instituta im. S.M. Kirova.
(Kuznetsk Basin--Mine ventilation)

KARATAYEV, A.F., dots., kand. tekhn. nauk

"Mine ventilation in the Kuznetsk Basin" by E.S. Kurmei, A.G. Kontsov.
Reviewed by A.F. Karataev. Ugol' 34 no.10:62-63 0 '59.

(MIRA 13:2)

1. Tomskiy politekhnicheskii institut.
(Kuznetsk Basin--Mine ventilation)

KARATAYEV, A.F., dotsent

Analysis of basic factors in the practicality of modifications of ventilation systems in coal mines. *Izv.vys. ucheb.zav.; gor. shur.no.2:63-70 '61.* (MIRA 14:3)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskoy institut imeni S.M. Kirova. Rekomendovana kafedroy tekhniki bezopasnosti i rudnichnoy ventilyatsii Tomskogo politekhnicheskogo instituta.

(Mine ventilation)

KARATAYEV, Aleksandr Fedorovich; KHAREV, A.A., otv. red.; YEROKHIN,
G.M., red. izd-va; LOMILINA, L.N., tekhn. red.

[Determination of types of variations in the ventilation systems
for coal mines] Opredelenie tipovykh variantov sistem provetri-
vaniia ugol'nykh shakht. Moskva, Gosgortekhnizdat, 1962. 97 p.
(MIRA 16:3)

(Mine ventilation)

BYKOV, S.B.; KARATEYEV, A.D.; ORESHKIN, P.T.; RAYEVA, I.S.

Microthermistors for working temperatures up to 200°C. Inzh.-
fiz.zhur. 5 no.8:93-96 Ag '62. (MIRA 1,11)

1. Sibirskiy metallurgicheskiy institut imeni Sergo Ordzhonikidze,
Novokuznetsk.

(Thermistors)

KRESHKOV, A.P.; KHRAMOVA, V.I.; KARATEYEV, D.A.

Method for increasing the strength and waterproofness of cement
solutions. Trudy MKHTI no:27:306-314 '59. (MIRA 15:6)
(Cement)

24422

S/079/61/031/007/004/003
D229/D305

15.8170

AUTHORS: Kreshkov, A.P., Karateyev, D.A., and Fyurst, V.

TITLE: Study of the interaction of some alkyl- and arylalkoxy-silanes with boric acid

PERIODICAL: Zhurnal obshchey khimii, v. 31, no. 7, 1961,
2139 - 2143

TEXT: This is a report on syntheses and properties of new polymeric silico-boron-organic compounds namely: polymethylsilyl borate $(CH_3SiO_3B)_n$, polyethylsilylborate - $(C_2H_5SiO_3B)_n$, polyphenylsilylborate - $(C_6H_5SiO_3B)_n$, diethylpolysiloxaneborate $\{[(C_2H_5)_2Si]_3(BO_3)_2\}_n$ and $\{[(CH_3)(C_6H_5)SiO_{1.5}]_3B\}_n$, synthesized by interaction of boric acid with methyltriethoxysilane, ethyltriethoxysilane, phenyltriethoxysilane, diethyl-diethoxysilane and methylphenyldiethoxysilane respectively. Silico-boron-organic compounds have prac-

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S/079/61/031/007/004/008
D229/D305

Study of the interaction of ...

tical applicability. They can be synthesized by interaction of silico-organic compounds with inorganic boron compounds (BBr_3 , BCl_3 , BF_3 , B_2H_6 , $\text{B}_2\text{H}_5\text{Br}$ etc.) and by the interaction of alkyl/aryl/alkoxy- or halogenosilanes with boric acid. Tri(trialkylsilyl)borates were also obtained by the interaction of boric acid with trialkylsilanols (Ref. 4: N.F. Orlov, and B.N. Dolgov, Voronkov, M.G., Avt. svid 115157, 1958) and by the interaction of boric acid with trialkylsilanes (Ref. 3: N.F. Orlov, B.N. Dolgov, and M.G. Voronkov, Trudy konferentsii po khimii i prakticheskomu primenenyu kremneorganicheskikh soedineniy (Conference on Chemistry and Practical Application of Silico-Organic Compounds) vyn. 1. TSBTI. L. 161, 1958). M.G. Voronkov and B.N. Zgonnik determined that the interaction of dimethyldichlorosilane with boric acid formed dimethylpolysiloxaneborate; the interaction of methyltriethoxysilane with boric acid formed $(\text{B}_2\text{O}_3 \cdot 4\text{CH}_3\text{SiO}_{1.5})_n$; interaction of dimethyldiethoxysilane with boric acid formed $[(\text{B}_2\text{O}_3 \cdot 6(\text{CH}_3)_2\text{SiO})_n]$ which can be represen-

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Study of the interaction of ...

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ted as $2 \{[(CH_3)_2SiO_{1.5}]_3B\}_n$ in the last reaction being as follows:
 $3n B(OH)_3 + 6n(CH_3)_2Si(OC_2H_5)_2 \rightarrow [B_2O_3 \cdot 6(CH_3)_2SiO]_n + 9nC_2H_5OH$
 $+ n B(OC_2H_5)_3$. Kreshkov and associates (Ref. 6: A.P. Kreshkov, S.S. Vil'borg, Tr. MKhTI im. D.I. Mendeleeva, 12, 40/1947, ZhOKh, 18, 172, 1948) found that at the high temperature alkyl/aryl/methoxy- or ethoxysilanes reacted with boric acid to form the methyl or ethyl esters of boric acid which colored the flame green. The above secondary reaction of the formation of ethyl ester of boric acid also took place. Molecular weight of the synthesized polymeric compounds of the type $[(R_2Si)_3(BO_3)_2]_n$ and $\{[(CH_3)(C_6H_5)SiO_{1.5}]_3B\}_n$ was determined by Rast's method with benzoic acid. For all three compounds $n \approx 8$. Combustion microanalysis was used to determine the amounts of the constituents of products. Silicon was determined by the "wet method" (Ref. 10: A.P. Kreshkov, G.D. Nessonova, ZhOKh, 19, 660, 1949). Boron was determined as boric acid by titration with 0.1 N NaOH in the presence of mannitol with a phenolphthalein

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Study of the interaction of ...

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S/079/61/031/007/004/008
D229/D305

indicator after the weighed amount (~ 0.1 gr) of substance was dissolved in an excess of sodium hydroxide and neutralized with 0.1 N hydrochloric acid using methyl red indicator. Qualitative tests for the presence of hydroxyl and ethoxy were negative. The infra-red spectra of obtained polymeric silico-boron-organic compounds were studied. The infra-red spectra of $(CH_3SiO_3)_n$ and of $(C_2H_5SiO_3)_n$ had absorption bands of different wave-lengths characteristic for different groups and bonds: 9.60 and 9.55μ (Si-O), 7.40 and 7.30μ (B-O), 12.75 and 12.70μ (Si-CH₃), 3.20 and 3.15μ (C-H) and 6.5μ (CH₃) which was in agreement with data from literature (Ref. 12: A.P. Kreshkov, V.A. Bork, L.V. Myshlyayeva, and G.D. Nessonova, Analiz kremniyorganicheskikh soedineniy (Analysis of Silicon Organic Compounds) GKhI, M., 1954). There was no absorption band of the wave-length of 2.71μ due to hydroxyl groups, which proved the absence of this group in synthesised polymeric silico-boron-organic compounds. X-ray analysis for all compounds of the

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Study of the interaction of ...

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type $(\text{RSiO}_3\text{B})_n$ showed the absence of crystallinity. There are 1 figure, 2 tables and 14 references: 10 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: US. Pat. 2440101, 1949, Ch. A. 42, 6376, 1948; British Patent 643298, 1950, Ch. A. 45, 7819, 1951; F.S. Kipping, J. Chem. Soc. 1927, 2728; L.I. Bellamy, M.E. Lappert, J. Chem. Soc., 1958, 2412.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskii institut imeni D.I. Mendeleyeva (Moscow Chemical-Engineering Institute imeni D.I. Mendeleyev)

SUBMITTED: July 18, 1960

Card 5/5

53700

311.71
S/080/61/034/012/011/017
D227/D305

AUTHORS: Kreshkov, A.P., Karateyev, D.A., and Fyurst, V.

TITLE: Investigating reactions of organic silicon compounds containing vinyl groups connected directly with a silicon atom, with boracic and phosphoric acids and phosphorus pentoxide

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 12, 1961, 2711 - 2716

TEXT: This is a study of reactions of various unsaturated compounds containing Si-CH=CH₂ bonds and functional groups (-OC₂H₅, CH₃COO-) attached to a silicon atom. From the products obtained and from the reactions with alcohols, esters, acetic acid etc., the authors were able to establish the mechanism of the reactions. They found that di-functional and tri-functional unsaturated organosilicons react with boracic acid in the following manner:

where
$$3n \text{RR'Si(OR'')}_2 + 2n \text{B(OH)}_3 \rightarrow \{(\text{RR'Si})_3(\text{BO}_2)_2\}_n + 6n \text{R''OH},$$

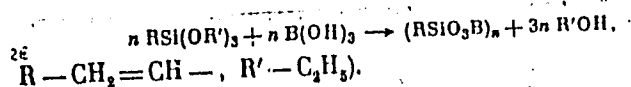
R-CH₃, R'-CH₂=CH-, R''-CH₂CO-).

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Investigating reactions of ...

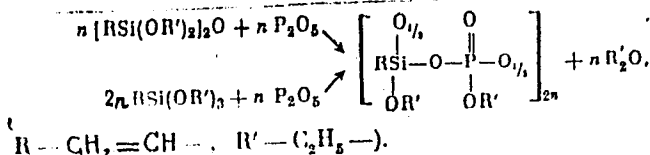
2157
S/080/61/034/012/011/017
D227/D305

where

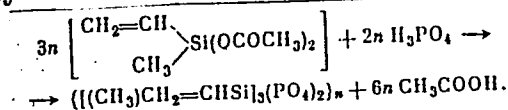


from which it is clear that only Si-O-C bonds react while Si-O-Si bonds remain intact. The reactions of divinyltetraethoxydisiloxane and vinyltriethoxysilane with P_2O_5 -

where



leads to the formation of the identical products and show that both Si-O-C and Si-O-Si take part in the reaction. The reaction of methylvinylldiacetoxysilane with phosphoric acid is as follows:



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31474

S/080/61/034/012/011/017
D227/D305

Investigating reactions of ...

The products of all the reactions representing low molecular weight organosilicon-boron and organosilicon-phosphorus polymers were examined by chemical and physical methods to establish their empirical and structural formulae. Polymerization of unsaturated organosilicon compounds has been found to be more difficult than that of the unsaturated hydrocarbons and to require special catalyzers and high pressures, owing to the passivating effect of silicon on the double bonds; this explains the preservation of Si-CH=CH₂ bonds in these polymers. In all cases the analysis showed good agreement with the empirical formulae. Vinyldiethoxypolysiloxanephosphate $([CH_2 = CHSi(OC_2H_5)_2PO_{2.5}O]_n)$ was prepared by heating the monomer with P₂O₅. The product obtained was in the form of lemon colored mass insoluble in common organic solvents but soluble in alkali. When methylvinylidiacetoxysilane was heated with phosphoric acid at 180°C acetic acid was liberated and the product was obtained in the form of a solid, soluble in ethanol, less soluble in chloroform, but easily hydrolyzed in aqueous and alkaline solutions. All the products obtained were analyzed to determine Si, C, H, B and P contents and also presence of alkoxy groups and double bonds. Infra-Card 3/4

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S/080/61/034/012/011/017
D227/D305

Investigating reactions of

red spectra were determined by Yu.Ya. Mikhailenko. The authors suggest that organosilicon-boron and -phosphorus compounds may be added to various plastic masses in order to give them thermal stability and resistance to oils, and to improve some of the properties of cement solutions. There are 1 figure and 22 references: 19 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: R. Nagel, Ch. Tambowski, H. W. Post, J. Org. Chem. 16, 1768, 1951; Bellamy, Gerard, Lappert, J. Chem. Soc., June, 2412, 1958. ✓

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskii institut im. D.I. Mendeleeva (Moscow Institute of Chemistry and Technology im. D.I. Mendeleev)

SUBMITTED: February 28, 1961

Card 4/4

KRESHKOV, A.P.; KARATEYEV, D.A.; FYURST, V.

Methods for the quantitative determination of silicon, phosphorus,
and boron in boron-containing and phosphorus-containing organo-
silicon compounds. Plast.massy no.3:63-65 '62. (MIRA 15:4)
(Silicon organic compounds) (Boron--Analysis)
(Phosphorus--Analysis)

KARATAYEV G.F.

KARATAYEV, G.F., kand.tekhn.nauk.

Effect of the speed of pressure growth in a diesel cylinder of
a free piston engine on the noise level. Energomashinostroenie
(MIRA 11:1)
3 no.12:25-27 D '57.
(Diesel engines)

KARATAYEV, G.F., kand.tekhn.nauk.

Operational stability of the DK-2 (SPDK) high-pressure free-piston diesel compressor. Sudostroenie 24 no.8:25-30 Ag '58.

(MIRA 11:10)

(Marine diesel engines)

KARAVAYEV, G.F.; KUDRYAVTSEVA, N.V.; CHALDYSHEV, V.A.

Structure of the energy spectrum of electrons in the ThF_4 type crystals. Fiz.tver.tela 4 no.12:3471-3481 D '62. (MIRA 15:12)

1. Tomskiy gosudarstvennyy universitet im. V.V.Kuybysheva.
(Groups, Theory of) (Electrons--Spectra)
(Crystal lattices)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720620014-9



APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720620014-9"

KARATAYEV, G.I. (Perm')

The AT-1 tube attachment used for determining horizontal coordinates
of the artificial earth satellite. Astron. tsir. no.190:12-13
Mr '58. (MIRA 11:9)

(Artificial satellite) (Surveyor's compass)

KARATAYEV, G.I.

Processing observations with the SN-3 gravimeter. Trudy Geofiz.iast.
no.30:250-255 '55. (Gravimeter) (MIRA 9:6)

SOV/49-59-6-15/21

AUTHOR: Karatayev, G. I.

TITLE: The Determination of the Ratio of Magnetic Intensity to the Excess of Density from the Gravitational and the Low-Magnetic ΔT -anomalies.

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 6, pp 905-909 (USSR)

ABSTRACT: A comparison of the intensity of magnetization I with the excess of density σ of an anomaly can determine the cause of the magnetic disturbances. This is especially applied to the case of T-aeromagnetic survey (Refs 1 and 2) where the formula (1) expresses the vertical component of the potential gravity V_z . This formula is solved when the ratio I/σ and the magnetic potential U are defined by Eqs (2) to (4). The mean value of ΔV_z for the circle with a radius ϕ , i.e. for the function A , can be defined as Eq (11). Then Eqs (13) to (16) are obtained for A and a similar formula can be derived for B and C . In the case of an elongated anomaly, the Eqs (17) to (25)

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SOV/49-59-6-15/21

The Determination of the Ratio of Magnetic Intensity to the Excess of Density from the Gravitational and the Low-Magnetic ΔT -anomalies

are applicable and when the angle between a normal field and the vector of magnetization is small, the formulae (26) and (27) can be used. The accuracy of determination of I/σ is illustrated by an example where $R = 2$ km, $h = 4$ km, excess of density $- 0.5$ g/cm³, intensity of magnetization $- 1000 \times 10^{-6}$ CGSM, $i_0 = 75^\circ$, angle between the magnetic meridian and the profile $- 75^\circ$. The coefficients of the functions A and C are tabulated on p 909. The accuracy obtained from calculations: 0.5 - 3 to 4%. There is 1 table and there are 9 references, of which 8 are Soviet and 1 is English.

ASSOCIATION: Permskiy gosudarstvennyy universitet im A.M.Gor'kogo
(Perm' State University imeni A. M. Gor'kiy)

SUBMITTED: May 6, 1958.

Card 2/2

KARATAYEV, G.I.

Highly accurate formulas for calculating the vertical gradient
of magnetic and gravity anomalies. Geol. i geofiz. no.4:119-122
'60. (MIRA 13:9)

1. Sibirskiy nauchno-issledovatel'skiy geologii, geofiziki i
mineral'nogo syr'ya (SNIIGGIMS),
(Magnetic anomalies. (Gravity)

KARATAYEV, G.I.

Calculation of the vertical component of the gravity potential
for a horizontal triangular prism of an infinite strike. Trudy
SNIIGGIMS no.9:126-129 '60. (MIRA 14:7)
(Gravity prospecting)

KARATAYEV, G.I.

Determining temperature coefficients of quartz gravimeters.

Trudy SNIIGGIMS no.10:78-84 '60.

(MIRA 15:12)

(Gravimeter (Geophysical instrument)).

KARATAYEV, G.I.

Crustal structure in Western Siberia, based on geophysical data.
Geol. i geofiz. no.11:65-82 '60. (MIRA 14:2)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki
i mineral'nogo syr'ya.
(Siberia, West ru--Geology, Structural)
(Prospecting--Geophysical methods)

S/169/62/000/006/027/093
D228/D304

AUTHOR: Karatayev, G. I.

TITLE: Use of paleomagnetic data when studying the tectonics
of the basement of the West Siberian Lowlands

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 29, an-
abstract 6A214 (Tr. Sibirsk. n.-i. in-ta geol., geofiz.
i mineral'n. syr'ya, no. 7, 1961, 80-85)

TEXT: The variable geologic interpretation of anomalous geophy-
sical fields is due, in the author's opinion, to the fact that the
nature of anomalies is studied only by means of qualitatively com-
paring geophysical and geological maps, without bringing in the
calculation of the physical parameters of anomalous masses, which
can be determined directly from natural geophysical anomalies. The
determination of the gradient angle i of the magnetization vector
is considered. The analysis of the angles of i is given for the
study of the basement tectonics in the West Siberian Lowlands' cen-
tral part. It is shown that information about both the remanent

✓

Card 1/2

Use of paleomagnetic ...

S/169/62/000/006/027/093
D228/D304

and the summary magnetization of rocks can be brought in for determining the age of consolidation of basement rocks from paleomagnetic data. / Abstracter's note: Complete translation. /

✓
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Card 2/2

KARATAYEV, G.I.

Project of the Upper Mantle of the Earth. Geol. i geofiz. no.9:
130-131 '61. (MIRA 14:11)
(Earth--Surface)

KARATAYEV, G.I.

Delineation of the regional background from observed
gravitational and magnetic anomalous fields. Geol.i geofiz.
no.10:102-117 '61. (MIRA 14:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

(Gravity)
(Magnetic anomalies)

KARATAYEV, G.I.

Fundamental problems of the method of a combined analysis of
magnetic and gravity anomalies. Trudy Inst. geol i geofiz. Sib.
otd. AN SSSR no.11:127-157 '61. (MIRA 15:2)
(Magnetic prospecting)(Gravity prospecting)

3.9110

S/169/62/000/006/018/093
D228/D304

AUTHOR: Karatayev, G. I.

TITLE: Mathematical and geological bases of the method of jointly analyzing magnetic and gravity anomalies and the problem of dividing anomaly fields into regional and local

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 21, abstract 6A145 (Tr. Sibirsk. n.-i. in-ta geol., geofiz. i mineral'n. syr'ya, no. 14, 1961, 149-166)

TEXT: The method of jointly analyzing magnetic and gravity anomalies is described in connection with the solution of the problem of dividing a general anomaly field into individual fields. The quantity, determining the application of the method of joint analysis, is the coefficient $\sigma = J/f\sigma$, which links in Poisson's formula the magnetic and gravity potentials

✓B

Card 1/ 2

Mathematical and geological ...

S/169/62/000/006/018/093
D228/D304

$$V = \frac{J}{r\sigma} \cdot \frac{dV}{dt}$$

Here J is the surplus magnetization intensity, σ is the excess density of the disturbing masses, and t is the magnetization vector direction. A number of examples are given for the solution of Poisson's equation relative to σ for the case of a two-fold mass distribution. The procedure for dividing anomaly fields is considered in certain idealized theoretical examples. A method of determining the true position of an observed anomaly's zero line is proposed for the two-dimensional problem. It is pointed out that the procedure, described for the division of a general anomaly field into individual fields, has been applied in the analysis of geophysical data in West Siberia, with the aim of studying the crust's structure. ✓
[Abstracter's note: Complete translation.]

Card 2/2

KARATAYEV, G.I.; AKHMYATZHANOV, Kh.S.

Use of geophysical anomalies in studying the tectonics of
sedimentary cover in the West Siberian Plain. Trudy
SNIIGGIMS no.17:70-84 '61. (MIRA 15:9)
(West Siberian Plain--Geology, Structural)
(West Siberian Plain--Prospecting--Geophysical methods)

AKHMETZHANOV, Kh.S.; KARATAYEV, G.I.; KUTUKOV, A.V.

Relationship between the geophysical anomalies and the geology
of folded areas on the borders of the West Siberian Plain.
Trudy SNIIGGIMS no.7:40-45 '61. (MIRA 16:7)

(West Siberian Plain---Geology, Structural)
(West Siberian Plain---Prospecting---Geophysical methods)

KARATAYEV, G.I.

Using paleomagnetic data for studying the tectonics of the
basement of the West Siberian Plain. Trudy SNIIGGIMS no.7:
80-85 '61. (MIRA 16:7)

(West Siberian Plain--Geology, Structural)

FOTIADI, E.E.; KARATAYEV, G.I.

Crustal structure of Siberia and the Far East based on data of regional geophysical studies. Geol. i geofiz. no.10:5-19 '63. (MIRA 17:1)

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